

CYNTHIA DELA CRUZ DE FREITAS

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SCIENTIFIC & MEDICAL WRITING AND EDITING EXPERT

QUALITY RESULTS DRIVEN BY STRATEGIC THINKING, SCIENTIFIC RIGOR, AND COLLABORATION

Widely recognized for applying critical and strategic thinking to produce concise scientific manuscripts, clinical studies, clinical trials, scientific presentations, and educational materials. Excel in laboratory setting and creating high-quality scientific manuscripts through meticulous attention to detail, analytical mindset, and clear/concise language skills. Proven to collaborate with cross-functional teams with integrity and strong work ethic. Require culture that values scientific excellence, open communication, and work-life balance.

Proposal Development | Scientific Communication | AMA Style | Literature Review | Regulatory Compliance | GLP | IVDR | ICMJE | Medical Writing | Data Management | Editing & Peer Review | Training & Mentoring | GraphPad Prism | EndNote | BioRender | MS Suite | Medical terminology | Scientific Presentations | Scientific Experiments | Data analysis | EndNote | Biostatistics | Technical Writing | Scientific Manuscripts | Bilingual (Portuguese/English) | Mentoring |

PROFESSIONAL EXPERIENCE

QIAGEN, Ann Arbor, MI

2023 - 2024

Scientist

Provided third-level support for Molecular Diagnostic Assays by analyzing cycle threshold values, amplification curves, and Total Aspiration and Dispense Monitoring data. Gathered and analyzed data and conducted experiments to replicate and diagnose customer issues. Performed accurate troubleshooting and resolution through detailed investigative findings and discussions with Regulatory, Medical Affairs, and Manufacturing teams to drive quality improvements and regulatory compliance. Presented key issues and solutions to senior leadership. Conducted External Quality Assessment (EQA) and Proficiency Testing to ensure assay performance and compliance with quality standards and benchmarked results against other assay platforms.

UNIVERSITY OF MICHIGAN, Ann Arbor, MI

2020 - 2023

Research Fellow

Conducted extensive literature review using PubMed, Medline, Cochrane, and Google Scholar to develop a research project focused on creating the first translational adolescent mouse model to study the effects of sex transitioning on late fertility. Served as research project mentor to undergraduate students.

- Designed and executed experiments to validate mouse model and published findings in Human Reproduction (2023)
- Authored and secured funding for the Michigan Institute for Clinical & Health Research (MICHR) grant (2021 – 2023).
- Selected to present research findings at the Society for the Study of Reproduction (SSR) meeting (2021, 2022); Awarded finalist as best postdoctoral poster.
- Published findings in 2 first-author papers, 7 co-authored papers, and a book chapter.

UNIVERSITY OF COLORADO, Boulder, CO

2018 - 2020

Research Associate - Integrative Physiology Department

Led funded research project using Cre-LoxP technology to develop mouse model for studying reproductive neuroendocrinology, which included mentoring undergraduate students through their research projects.

- Developed in vivo research project in reproductive neuroendocrinology using Cre-LoxP technology to create conditional knockout mice; published findings as first-author in *Frontiers in Endocrinology*.

Universidade Federal de Minas Gerais, Belo Horizonte, Brazil

2013 - 2017

Postdoctoral Junior – Division of Human Reproduction – Medical School

2013 –2015

Designed and executed experiments to study the molecular pathways involved in endometriosis and its relationship with infertility. Provided expertise for experimental protocols while managing multiple projects and maintaining research quality. Spearheaded new research projects with innovative techniques. Mentored undergraduate and master's students through their research projects.

- Published findings in 4 first-author papers and 23 co-authored papers.

Research Professor – Medical School

2015 - 2017

Developed educational materials and lectures on molecular techniques for studying infertility

Adjunct Professor – Pharmacy School

2016

Created educational materials, medical case-studies, and lectures on Pharmacokinetics, Pharmacodynamics, Antibiotic therapy, Clinical Pharmacology for pharmaceutical students.

FACULDADE PITÁGORAS, Betim, Brazil

2015

Adjunct Professor - Pharmacy School

Created educational materials and lectures on Physiopathology and Clinical Pharmacology for pharmaceutical students.

EDUCATION

Certified in Medical Editing, American Medical Writers Association

ORAQ Regulatory Affairs Training Program, Duke School of Medicine, Durham, NC, USA

Ph.D., Pharmacology and Physiology, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil

Bachelor in Pharmacy, Pharmacology, Universidade do Sagrado Coração, Bauru, Brazil

LINKS TO PUBLICATIONS

[Portfolio](#) | [Google Scholar](#) | [Research Gate](#) | [Pubmed](#) | [Orcid](#) | [Scopus](#)

AWARDS AND HONORS

- **BRAZILIAN CONGRESS OF EMBRYOLOGISTS**, Best Oral Presentation (2019)
- **16TH ENDOFEMININA – WOMEN'S ENDOCRINOLOGY MEETING**, Best Oral Presentation, (2019)
- **SOCIETY OF OBSTETRICS AND GYNECOLOGY OF MINAS GERAIS STATE**, Brazil, Clóvis Salgado Award, Best paper published (2018)

VOLUNTEER ACTIVITIES

- **SCIENTIFIC AND MEDICAL JOURNALS** (multiple), Scientific Reviewer **2018 - Pres**